

Recovery Plan Action Status

Plan Name: Mexican Long-nosed Bat Recovery Plan

Plan Status: Final

Plan Date: 08-Sep-94

Lead Agency: USFWS

Lead Office: Austin Ecological Services Field Office

(512)
490-0057)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Mexican long-nosed bat (Leptonycteris nivalis)	1	1.111	Identify landowners/managers of roost sites and offer information on Mexican long-nosed bats	Not Started			U.S. Fish and Wildlife Service, New Mexico Department of Game and Fish, The Nature Conservancy, Texas Parks and Wildlife Department, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	In coordination with task 1.112.
Mexican long-nosed bat (Leptonycteris nivalis)	1	1.112	Work cooperatively with landowners/managers to establish protected roost sites	Not Started			U.S. Fish and Wildlife Service, New Mexico Department of Game and Fish, The Nature Conservancy, Texas Parks and Wildlife Department, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Dependent on task 1.111.

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Mexican long-nosed bat (Leptonycteris nivalis)	1	1.121	Develop public support through a bat education program	Not Started			National Park Service, U.S. Fish and Wildlife Service, Bat Conservation International, International Affairs, Mexican Non governmental Organizations, Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	In coordination with Task 1.122.
Mexican long-nosed bat (Leptonycteris nivalis)	1	1.122	Develop and implement a program that addresses vampire bat issues	Not Started			U.S. Fish and Wildlife Service, Bat Conservation International, International Affairs, Public Affairs, Mexican Governmental Agencies-primarily SEDESOL, Mexican Non governmental Organizations, Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	In coordination with task 1.121. Vampire bat eradication can be potentially devastating to a colony.
Mexican long-nosed bat (Leptonycteris nivalis)	1	1.13	Determine if cave gating is appropriate for this species and install cave gates if appropriate	Not Started			International Affairs, Mexican Governmental Agencies-primarily SEDESOL, Mexican Non governmental Organizations, Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Disturbance is a potentially devastating activity.
Mexican long-nosed bat (Leptonycteris nivalis)	2	1.141	Ensure compliance with Federal and State laws in the United States	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, New Mexico Department of Game and Fish, Texas Parks and Wildlife Department	Other: Regulations	Internal Field Assistance, Internal Technical Assistance, Species Expert	
Mexican long-nosed bat (Leptonycteris nivalis)	2	1.142	Ensure compliance with environmental laws in Mexico	Not Started			Mexican Governmental Agencies-primarily SEDESOL	Work type not yet selected	Labor type not yet selected	

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Mexican long-nosed bat (Leptonycteris nivalis)	3	1.151	Investigate debt-for-nature swaps	Not Started			The Nature Conservancy, Bat Conservation International , International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations	Work type not yet selected	Labor type not yet selected	
Mexican long-nosed bat (Leptonycteris nivalis)	3	1.152	Investigate enacting new environmental laws (both Federal and State) in Mexico	Not Started			The Nature Conservancy, Bat Conservation International , International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations	Work type not yet selected	Labor type not yet selected	
Mexican long-nosed bat (Leptonycteris nivalis)	1	1.153	Develop Spanish translation of recovery plan	Complete	FY 1995 - FY 1999	FY 1995 - FY 1999	U.S. Fish and Wildlife Service	Other, Other: Information and Education	Contract	Possibly in cooperation with drafter
Mexican long-nosed bat (Leptonycteris nivalis)	2	1.21	Develop a standard method for monitoring roosts	Not Started			National Park Service, U.S. Fish and Wildlife Service, Texas Parks and Wildlife Department, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	
Mexican long-nosed bat (Leptonycteris nivalis)	2	1.22	Monitor known occupied and unoccupied roost sites	Not Started			National Park Service, U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Dependent on Task 1.21. Includes equipment purchase start tq money.

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Mexican long-nosed bat (Leptonycteris nivalis)	2	1.31	Characterize existing roosts	Not Started			National Park Service, U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	In cooperation with Task 1.112.
Mexican long-nosed bat (Leptonycteris nivalis)	2	1.32	Predict where roosts might occur	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Dependent on Task 1.31.
Mexican long-nosed bat (Leptonycteris nivalis)	2	1.33	Locate possible roost sites	Not Started			National Park Service, U.S. Fish and Wildlife Service, New Mexico Department of Game and Fish, Texas Parks and Wildlife Department, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Some surveys may be conducted immediately. Others must wait for information generated by Tasks 1.31 11.32.
Mexican long-nosed bat (Leptonycteris nivalis)	1	2.111	Inventory food plants used by the bats	Not Started			National Park Service, U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	

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Mexican long-nosed bat (Leptonycteris nivalis)	2	2.112	Determine amount of nightly food intake per bat and per colony	Not Started			National Park Service, U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities , National Biological Survey	Work type not yet selected	Labor type not yet selected	Not necessary to begin in year 1. Can be done in conjunction with tasks 2.113 and 2.111.
Mexican long-nosed bat (Leptonycteris nivalis)	2	2.113	Determine nightly flight distances traveled to obtain food	Not Started			National Park Service, U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities , National Biological Survey	Work type not yet selected	Labor type not yet selected	Can be done in conjunction with tasks 2.112 and 2.111. Includes radio telemetry work.
Mexican long-nosed bat (Leptonycteris nivalis)	2	2.12	Identify and study foraging habitat	Not Started			National Park Service, U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Can be done in conjunction with and is dependent on tasks 2.112 and 2.113.
Mexican long-nosed bat (Leptonycteris nivalis)	2	2.21	Determine impact of agave harvest on Mexican long-nosed bat survival and recovery	Not Started			U.S. Fish and Wildlife Service, Bat Conservation International , International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Dependent on tasks 2.111, 2.112, 2.113. and 2.12.

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Mexican long-nosed bat (Leptonycteris nivalis)	1	2.22	Work with liquor industry and local producers to protect foraging habitat	Not Started			U.S. Fish and Wildlife Service, Bat Conservation International , International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations	Work type not yet selected	Labor type not yet selected	
Mexican long-nosed bat (Leptonycteris nivalis)	1	2.23	Work with agricultural users to protect foraging habitat	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	
Mexican long-nosed bat (Leptonycteris nivalis)	2	2.24	Ensure compliance with laws and regulations that protect foraging habitat where needed and appropriate	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, New Mexico Department of Game and Fish, Texas Parks and Wildlife Department, Mexican Governmental Agencies-primarily SEDESOL	Other: Regulations	Internal Field Assistance, Internal Technical Assistance, Species Expert	
Mexican long-nosed bat (Leptonycteris nivalis)	1	2.25	Protect foraging habitat through other methods including education	Not Started			U.S. Fish and Wildlife Service, Bat Conservation International , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations	Work type not yet selected	Labor type not yet selected	Using information from Tasks 2.111. 2.112. 2.113. 1 2.12.

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Mexican long-nosed bat (Leptonycteris nivalis)	3	3.1	Identify other threats and limiting factors	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	
Mexican long-nosed bat (Leptonycteris nivalis)	3	3.2	Eliminate or reduce limiting factors/threats	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Duration continuous if significant threats have been identified in task 3.1
Mexican long-nosed bat (Leptonycteris nivalis)	3	4.1	Obtain demographic data	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Can be done in conjunction with tasks 1.22, 1.33, 2.112, 2.113, 3.1, and 4.2
Mexican long-nosed bat (Leptonycteris nivalis)	2	4.2	Determine and monitor migration times, routes, and habitats	Not Started			U.S. Fish and Wildlife Service, Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities , National Biological Survey	Work type not yet selected	Labor type not yet selected	In coordination with Task 1.33 to locate new roosts 1 Task 1.22 to monitor known roosts.
Mexican long-nosed bat (Leptonycteris nivalis)	3	4.3	Determine levels of genetic variability within and among populations in different geographic areas	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Can be done in conjunction with task 4.1

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Mexican long-nosed bat (Leptonycteris nivalis)	2	4.4	Perform a population viability analysis	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Dependent on Tasks 4.1 and 4.2.
Mexican long-nosed bat (Leptonycteris nivalis)	2	4.5	Determine the size, location and configuration of habitat needed to support viable populations	Not Started			U.S. Fish and Wildlife Service, International Affairs , Mexican Governmental Agencies-primarily SEDESOL , Mexican Non governmental Organizations , Mexican Universities/Research Entities	Work type not yet selected	Labor type not yet selected	Completion dependent on Task 4.4.